

CLAIM AMENDMENTS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An image capture system, comprising:

a plurality of image sensor lens modules, each of the plurality of image sensor lens modules having a field of view, wherein the plurality of imager sensor lens modules includes at least a first image sensor lens module comprising a first lens integrated with a first sensor, the first image sensor lens module operable to generate first raw image data; and a second image sensor lens module comprising a second lens integrated with a second sensor, the second image sensor lens module operable to generate second raw image data;

a shared image processing engine integrated into a single electronic device with the first image sensor lens module and the second image sensor lens module and coupled to the first image sensor lens module and to the second image sensor lens module, wherein the shared image processing engine is operable to perform an image processing operation to transform raw image data into a viewable image; and

a selector integrated into the single electronic device, wherein while the single electronic device is on and the first image sensor lens module is generating the first raw image data and the second image sensor lens module is generating the second raw image data, the selector selects image data from at least one of the first raw image data and the second raw image data to be routed to the shared image processing engine to be transformed into the viewable image, wherein the selector selects the image data when motion in the selected image data stabilizes,

wherein the fields of view of the plurality of image sensor lens modules overlap to form a panoramic view of a scene covering three hundred sixty degrees.

2. (Previously Presented) The image capture system of claim 1, further comprising a support having an exterior surface that comprises a mounting surface to mount the single electronic device, the support having a generally spherical geometry.

3. (Previously Presented) The image capture system of claim 1, further comprising:
a third image sensor lens module operable to generate third raw image data, wherein the third image sensor lens module is integrated into the single electronic device and coupled to the shared image processing engine, and wherein while the single electronic device is on, the first image sensor lens module is generating the first raw image data, the second image sensor lens module is generating the second raw image data, the third image sensor lens module is generating the third raw image data, the selector causes only one of the first raw image data, the second raw image data, and the third raw image data to be routed to the shared image processing engine to be transformed into the viewable image.
4. (Previously Presented) The image capture system of claim 1, wherein the first and second image sensor lens modules are adjustably secured to a mounting surface.
5. (Cancelled).
6. (Previously Presented) The image capture system of claim 1, further comprising a microphone assembly communicatively coupled to the shared image processing engine to provide audio input.
7. (Cancelled).
8. (Previously Presented) The image capture system of claim 1, further comprising a triggering engine operable to signal the selector to route the second raw image data to the shared image processing engine in response to a determination that the second image sensor lens module is aimed toward particular scene activity.

9. (Previously Presented) The image capture system of claim 8, further comprising:
a support having an exterior surface that comprises a mounting surface to mount the
single electronic device, the support having a geometry that facilitates differing
orientations of the first and the second image sensor lens modules; and
an interface operable to communicatively couple an output of the shared image
processing engine to an external computing system, wherein the output is
encrypted before the output is sent to the external computing system.

10. (Cancelled).

11. (Currently Amended) An image capturing system comprising:
a plurality of image modules selectively coupled to a processing engine by way of a
selector, each of the plurality of image modules having a field of view, wherein
the plurality of image modules includes at least a first image module selectively
coupled to[[a]] the processing engine by way of a the selector, the first image
module operable to capture a first raw image; and a second image module
selectively coupled to the processing engine by way of the selector, the second
image module operable to capture a second raw image;
the selector operable to determine a selected image module from the first image module
and the second image module and to selectively cause a raw image captured by
the selected image module to be sent to the processing engine when motion
captured by the selected image module stabilizes; and
the processing engine operable to perform an image processing operation on the raw
image captured by the selected image module, ~~wherein the processing engine is~~
~~not configured to perform the image processing operation on the first raw image~~
~~and the second raw image simultaneously~~
wherein the fields of view of the plurality of image modules overlap to form a panoramic
view of a scene covering three hundred sixty degrees.

12. (Previously Presented) The image capture system of claim 11, further comprising:
an interface operable to facilitate communication of a processing engine output to a
device selected from: a cable modem, a DSL modem and a computing device.

13.-16. (Cancelled).

17. (Previously Presented) The image capture system of claim 11, wherein the first
image module has a resolution and the second image module has a different resolution.

18. (Previously Presented) The image capture system of claim 11, wherein the first
image module comprises a first lens and a first sensor, wherein the second image module
comprises a second lens and a second sensor, and wherein the first lens and the first sensor have
a different focal length than the second lens and the second sensor.

19. (Previously Presented) The image capture system of claim 11, wherein the first
image module comprises a lens with autofocus.

20. (Cancelled).

21. (Previously Presented) The image capture system of claim 11, wherein the first raw
image represents a first view of a scene and the second raw image represents a second view of
the scene and wherein at least a portion of the first view includes a portion of the scene captured
in the second view.

22. (Cancelled).

23. (Currently Amended) An image capturing method, comprising:
receiving first image information that represents a first view obtained from a first digital image sensor of a plurality of digital image sensors, wherein each of the plurality of digital image sensors includes a field of view;
receiving second image information that represents a second view obtained from a second digital image sensor of the plurality of digital image sensors;
tracking motion in a particular view selected from the first view and the second view;
when the motion in the particular view stabilizes, sending a set of image information representing the particular view obtained from one of the plurality of digital image sensors to a processing engine; and
performing an image processing operation on the set of image information, ~~wherein the processing engine is not configured to perform the image processing operation on the first image information and the second image information simultaneously~~
wherein the fields of view of the plurality of digital image sensors overlap to form a panoramic view of a scene covering three hundred sixty degrees.

24. (Cancelled).

25. (Currently Amended) The image capturing method of claim 23, further comprising performing the image processing operation on the first image information until a desired portion of ~~[[a]]~~ the scene is not in view of the first digital image sensor, then ceasing to perform the image processing operation on the first image information and performing the image processing operation of the second image information.

26. (Previously Presented) The image capture method of claim 23, further comprising: initiating presentation of the particular view on a display after performing the image processing operation.

27. (Cancelled).

28. (Previously Presented) The image capture method of claim 23, further comprising:
when the image processing operation is being performed on the second image
information, receiving a directional identification signal indicating activity at a
location associated with the first view; and
in response to the directional identification signal, ceasing to perform the image
processing operation on the second image information, and performing the image
processing operation on the first image information when the activity at the
location stabilizes.
29. (Previously Presented) The image capture method of claim 23, further comprising:
outputting post processed image signal information.
30. (Cancelled).
31. (Previously Presented) The image capture method of claim 29, further comprising
streaming the post processed image signal information.
- 32.-33. (Cancelled).
34. (Previously Presented) The image capturing system of claim 11, wherein the first
image module comprises a lens integrated with a sensor.
35. (Previously Presented) The image capture system of claim 1, wherein the first image
sensor lens module does not include a computer readable memory.
36. (Previously Presented) The image capture system of claim 1, wherein there is no
optical component spatially situated between the first lens and the first sensor.
37. (Previously Presented) The image capturing method of claim 23, wherein none of the
plurality of digital image sensors includes a computer readable memory.

38. (Previously Presented) The image capturing method of claim 23, wherein the plurality of digital image sensors are integrated within a single electronic device.

39. (Previously Presented) The image capture system of claim 1, wherein the first lens of the first image sensor lens module has a first depth of focus, and wherein the second lens of the second image sensor lens module has a second depth of focus different from the first depth of focus.

40. (Previously Presented) The image capture system of claim 39, further comprising a triggering engine integrated into the single electronic device, wherein the triggering engine is operable to evaluate scene view information to identify which of the first raw image data and the second raw image data comprises desired information.

41. (Previously Presented) The image capture system of claim 1, wherein the shared image processing engine and the selector replicate a pan, tilt and zoom operation by selectively causing only one of the first raw image data and the second raw image data to be transformed into the viewable image.

42. (Previously Presented) The image capture system of claim 1, wherein the shared image processing engine performs a digital magnification by interpolating between pixels of the selected one of the first raw image data and the second raw image data routed to the shared image processing engine.

43. (Previously Presented) The image capturing system of claim 11, wherein the first image module has a first depth of focus, wherein the second image module has a second depth of focus, and wherein the first image module and the second image module are integrated on a single integrated circuit with the processing engine.

44.-46. (Cancelled).

47. (Previously Presented) The method of claim 23, further comprising encrypting output of the image processing operation and sending the encrypted output to a remote computing system.

48. (New) The image capture system of claim 1, wherein each of the plurality of image sensor lens modules includes an orientation with a centerline, wherein the orientations of the plurality of image sensor lens modules are equally spaced.